CIVIL AIM CONSULTANTS & ENGINEERS
(Building Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

QC ABSTRACT

Nameof Work: Improvements to roads and drains at Surabi Layout in Kempegowda ward no-01 of Yelahanka Sub Division, BBMP, Bangalore.

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes as per frequency	Actual No's of testesas per frequency	Testes Results
1	1:3:6	26.36 Cum	1	1	Pass
2	M20	57.36 Cum	5	5	Pass
3	Steel	3.3.7 Tonne	1	1	Pass
4	Slab 100mm	162.00 Sqm	1	1	Pass
5	Slab 230mm	15.90 Sqm	1	1	Pass
6	M10	9.72 Cum	2	2	Pass
7	Kerb	248.00 Nos	1	1	Pass

Cubes	0-5 Cum	1Set
	6-15 Cum	2Set
	16-30 Cum	3Set
	31-50 Cum	4Set
	Add 1set for extra 50Cum	

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

A.E.E

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
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Job No.: CACE/BBMP/NKMN/W.No.01/2022-23

Date : 18.01.2023

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. Nandan Kumar M N,** Contractor, Bangalore.

Name of Work : Improvements to roads and drains at Surabi Layout in Kempegowda ward no-01 of Yelahanka Sub Division, BBMP, Bangalore.

Date of Testing : 18.01.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	84	8.40	8.40	91.6	90-100
2.36	132	13.20	21.60	78.4	75-100
1.18	180	18.00	39.60	60.4	55-90
600 Micron	156	15.60	55.20	44.8	35-59
300 Micron	225	22.50	77.70	22.3	8-30
150 Micron	142	14.20	91.90	8.1	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

AE-01

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Job No.: CACE/BBMP/NKMN/W.No.01/2022-23 Date: 21.02.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. Nandan Kumar M N,** Contractor, Bangalore.

Name of the work : Improvements to roads and drains at Surabi Layout in Kempegowda ward no-01 of Yelahanka Sub Division, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{10}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.01.2023	21.02.2023	8.126	265.3	11.79
2	24.01.2023	21.02.2023	8.155	281.5	12.51
3	24.01.2023	21.02.2023	8.149	272.5	12.11

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Date : 18.01.2023

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. Nandan Kumar M N,** Contractor, Bangalore.

Name of Work : Improvements to roads and drains at Surabi Layout in Kempegowda ward no-01 of Yelahanka Sub Division, BBMP, Bangalore.

Date of Testing : 18.01.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	184	1.23	1.23	98.77	95-100
20	8230	54.87	56.09	43.91	30-70
10	3265	21.77	77.86	22.14	10-35
4.75	2815	18.77	96.63	3.37	0-5

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